

A SECOND SPECIES OF *CERATITIS* (DIPTERA: TEPHRITIDAE)  
ADVENTIVE IN THE NEW WORLD

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*Abstract.*—*Ceratitis malgassa* Munro, a species described from Malagasy (Madagascar), was reared in Mexico from nutmegs obtained from Puerto Rico. A key to distinguish the species from its nearest relatives, including *C. capitata*, is given.

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In 1968 the Systematic Entomology Laboratory of the U.S. Department of Agriculture received three adult specimens of a species of *Ceratitis* from Chapingo, Mexico that had been reared there from nutmeg seeds received from Mayagüez, Puerto Rico. Information in USDA files indicated that the seeds had been gathered from trees planted in Mayagüez with seeds received from "Granada."

The specimens belong to the typical subgenus of *Ceratitis*, the generitype of which is the Mediterranean fruit fly, *C. capitata* (Wiedemann). The subgenus is characterized by the presence only in the males of elongated, apically spatulate anterior upper fronto-orbital bristles. These bristles are inserted on small conical bases on the upper part of the head a little distance before the ocellar triangle. There are four species known in the subgenus. Our specimens compare well with a pair of *C. malgassa* Munro borrowed from the Museum of Natural History of Paris, France. Paulian (1953) gave a key to the subgenus and stated that *C. malgassa* (incorrectly referred to as *C. malagassa*) had been reared from oranges, mandarins, guavas, and fruit of *Sclerocarya caffra* Sond. (Anacardiaceae; as *Poupartia caffra*). To this list of hosts may now be added nutmeg (Myristicaceae; *Myristica fragrans* Houtt.). The four known species of *Ceratitis* sensu stricto may be distinguished as in the following key, translated with modifications from Paulian (1953). *Ceratitis malgassa* was described by Munro (1939: 141-143).

KEY TO SPECIES OF *CERATITIS* S.S.

- 1(4). Distal part of wing with 2 transverse bands; male orbital seta with black palette.

- 2(3). Orbital seta with more or less lozenge-shaped palette borne on stem less than twice as long as palette; basal yellow scutellar mark sinuate ..... *capitata* (Wiedemann)
- 3(2). Orbital seta with palette nearly round, borne on stem several times as long as palette; basal yellow scutellar mark with 2 long, posteriorly directed points ..... *caetrata* Munro
- 4(1). Distal part of wing with 3 transverse bands; orbital palette more or less oval, whitish to pale brownish.
- 5(6). Mesoscutum with median dark stripe not connected with pair of posterior spots; stem of spatulate seta round, bristly, palette about as long as wide ..... *catoirei* Guérin
- 6(5). Mesoscutum with median dark stripe connected posteriorly with pair of large spots; orbital seta with tapering; ribbon-like stem, palette longer than wide ..... *malgassa* Munro

## LITERATURE CITED

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